



# MEETING THE PROJECT MANAGEMENT CHALLENGE

# 2004

# Biography

## Steven J. Goodman

### Senior Research Scientist, Earth Science Department - NASA MSFC

Dr. Goodman joined NASA in 1988 following 2-yr with a small aerospace electronics company and 7-yr as a NASA MSFC on-site contractor. He is currently a Senior Research Scientist with the Earth Science Department in the Science Directorate at the NASA Marshall Space Flight Center. Dr. Goodman is also an Adjunct Professor of Atmospheric Science and member of the graduate faculty at the University of Alabama in Huntsville. He earned B.S. (1977) and M.S. (1981) degrees in Atmospheric Science at the University of Wisconsin-Madison and the University of Oklahoma, respectively, and the Ph.D. in Systems Engineering from the University of Alabama in Huntsville in 1990. Dr. Goodman serves as the Deputy Project Scientist for the Lightning Imaging Sensor and Optical Transient Detector (LIS/OTD) science team, managing two instruments developed for the NASA Earth Observing System (EOS). The OTD was a 5-yr (1995-2000) joint NASA-industry mission with Orbital Sciences Corp. to map the global distribution of lightning and thunderstorms. The LIS was launched in 1997 and continues on-orbit operations as one of the five precipitation science instruments on the U.S.-Japan Tropical Rainfall Measuring Mission (TRMM). Dr. Goodman is responsible for the mission science, instrument operations, and the science data computing facility. Dr. Goodman also serves as the Director of NASA's Short Term Prediction Research and Transition Center, a project developed to advance NASA's mission to understand and protect the planet through data assimilation research and the infusion of NASA earth science observations into the Nation's forecast and warning decision support systems for the environment, aviation weather hazards, and natural disasters. Dr. Goodman has authored or co-authored 50 peer reviewed papers, books, and reports, and in 2001 he received the NASA Medal for Exceptional Scientific Achievement for his research on thunderstorms and storm hazards. In February 2004 he completed a six-month LDP assignment as a Program Manager with the Research Division of the Office of Earth Science at NASA Headquarters. Dr. Goodman is a member of the American Geophysical Union, the American Institute of Physics, the American Meteorological Society, and Sigma Xi (the Scientific Research Society).



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